

AMENDMENTS TO THE SPECIFICATION

Please amend the paragraph beginning at page 7, line 10 as follows:

B1
~~As mentioned above, the invention also relates to a mobile station as defined in the introductory part of claim 7.~~ The mobile station according to the invention is characterized in that ~~said the~~ mobile station ~~further~~ comprises adjusting means adapted to adjust ~~said the~~ given threshold in accordance with an estimate of ~~said the~~ noise.

Please delete the paragraph beginning at page 7, line 17.

Please amend the paragraph beginning at page 7, line 32 as follows:

B2 8/15/04
Fig. 3a and ~~fig. 3b~~ ^{Fig.} illustrates illustrate a parallel decision-feedback equalizer according to the prior art,

Please amend the paragraph beginning at page 14, line 1 as follows:

B3
Figure 3a illustrates the overall principle of a typical PDFE, wherein an input signal x is fed to both branches in the equalizer. In the shown example, the feedforward filter 301 is used in both branches, i.e. the input signal x is fed to a single feedforward filter 301, and the output of the feedforward filter 301 is fed to the two branches, i.e. the output of the feedforward filter 301 is fed to both summation points 304a, 304b. As illustrated in the figure, a first branch includes the summation point 304a, a feedback filter 302a and a detector or setting means 303a. Likewise, a second branch includes the summation point 304b, a feedback filter 302b and a detector or setting means 303b. The function of each of the two branches is as described in relation to figure 2, and therefore, the following description will focus on the difference in operation between a DFE and a PDFE.